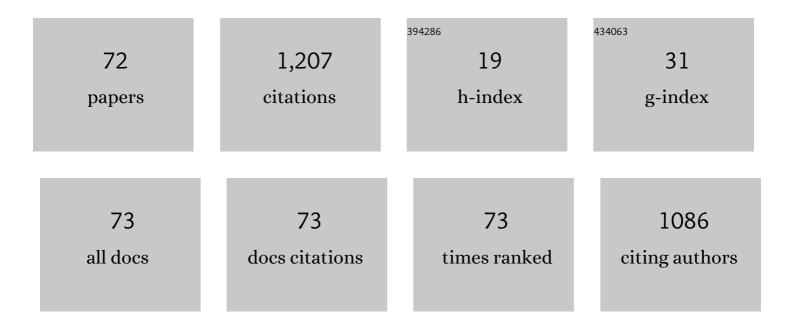
Artur Benisek

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3147404/publications.pdf Version: 2024-02-01



ADTILD RENISER

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A ternary feldspar-mixing model based on calorimetric data: development and application. Contributions To Mineralogy and Petrology, 2010, 160, 327-337. | 1.2 | 126 |
| 2 | Factors controlling the development of prism faces in granite zircons: a microprobe study. Contributions To Mineralogy and Petrology, 1993, 114, 441-451. | 1.2 | 122 |
| 3 | New developments in two-feldspar thermometry. American Mineralogist, 2004, 89, 1496-1504. | 0.9 | 74 |
| 4 | A sample-saving method for heat capacity measurements on powders using relaxation calorimetry. Cryogenics, 2011, 51, 460-464. | 0.9 | 57 |
| 5 | Plagioclase composition by Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 684-698. | 1.2 | 41 |
| 6 | The heat capacity of fayalite at high temperatures. American Mineralogist, 2012, 97, 657-660. | 0.9 | 29 |
| 7 | Thermodynamic mixing behavior of synthetic Ca-Tschermak–diopside pyroxene solid solutions: I. Volume and heat capacity of mixing. Physics and Chemistry of Minerals, 2007, 34, 733-746. | 0.3 | 28 |
| 8 | Excess heat capacity and entropy of mixing in high structural state plagioclase. American Mineralogist, 2009, 94, 1153-1161. | 0.9 | 28 |
| 9 | Excess heat capacity and entropy of mixing along the chlorapatite–fluorapatite binary join. Physics and Chemistry of Minerals, 2010, 37, 665-676. | 0.3 | 27 |
| 10 | Thermodynamic properties of Na2Ti6O13 and Na2Ti3O7: electrochemical and calorimetric determination. Journal of Chemical Thermodynamics, 2003, 35, 1469-1487. | 1.0 | 25 |
| 11 | The uncertainty in determining the third law entropy by the heat-pulse calorimetric technique. Cryogenics, 2008, 48, 527-529. | 0.9 | 25 |
| 12 | Almandine: Lattice and non-lattice heat capacity behavior and standard thermodynamic properties. American Mineralogist, 2012, 97, 1771-1782. | 0.9 | 25 |
| 13 | A relationship to estimate the excess entropy of mixing: Application in silicate solid solutions and binary alloys. Journal of Alloys and Compounds, 2012, 527, 127-131. | 2.8 | 25 |
| 14 | The vibrational and configurational entropy of disordering in Cu3Au. Journal of Alloys and Compounds, 2015, 632, 585-590. | 2.8 | 25 |
| 15 | Excess heat capacity and entropy of mixing in ternary series of high-structural-state feldspars. European Journal of Mineralogy, 2010, 22, 403-410. | 0.4 | 23 |
| 16 | Grossular: A crystal-chemical, calorimetric, and thermodynamic study. American Mineralogist, 2012, 97, 1299-1313. | 0.9 | 22 |
| 17 | The accuracy of standard enthalpies and entropies for phases of petrological interest derived from density-functional calculations. Contributions To Mineralogy and Petrology, 2018, 173, 90. | 1.2 | 22 |
| 18 | Experimentally Determined Standard Thermodynamic Properties of Synthetic MgSO ₄ ·4H ₂ O (Starkeyite) and MgSO ₄ ·3H ₂ O: A Revised Internally Consistent Thermodynamic Data Set for Magnesium Sulfate Hydrates. Astrobiology, 2012, 12, 1042-1054. | 1.5 | 21 |

ARTUR BENISEK

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Transport properties of La0.4Sr0.6CoO3â^'. Solid State Ionics, 2001, 141-142, 375-380. | 1.3 | 20 |
| 20 | Thermodynamics, crystal chemistry and structural complexity of the Fe(SO4)(OH)(H2O) x phases: Fe(SO4)(OH), metahohmannite, butlerite, parabutlerite, amarantite, hohmannite, and fibroferrite. European Journal of Mineralogy, 2018, 30, 259-275. | 0.4 | 20 |
| 21 | Enthalpies in (Na,Ca)- and (K,Ca)-feldspar binaries: a high-temperature solution calorimetric study. Contributions To Mineralogy and Petrology, 2003, 145, 119-129. | 1.2 | 19 |
| 22 | Thermodynamic mixing behavior of synthetic Ca-Tschermak–diopside pyroxene solid solutions: II. Heat of mixing and activity–composition relationships. Physics and Chemistry of Minerals, 2007, 34, 747-755. | 0.3 | 18 |
| 23 | Thermodynamic mixing behavior of synthetic Ca-Tschermak–diopside pyroxene solid solutions: III. An analysis of IR line broadening and heat of mixing behavior. Physics and Chemistry of Minerals, 2008, 35, 399-407. | 0.3 | 17 |
| 24 | Thermodynamic behavior and properties of katoite (hydrogrossular): A calorimetric study. American Mineralogist, 2012, 97, 1252-1255. | 0.9 | 17 |
| 25 | Arrhenius Behavior of the Bulk Na-Ion Conductivity in Na ₃ Sc ₂ (PO ₄) ₃ Single Crystals Observed by Microcontact Impedance Spectroscopy. Chemistry of Materials, 2018, 30, 1776-1781. | 3.2 | 16 |
| 26 | Heat capacity, entropy and phase equilibria of stishovite. Physics and Chemistry of Minerals, 2012, 39, 153-162. | 0.3 | 15 |
| 27 | Heat capacities of Tschermak substituted Fe-biotite. Contributions To Mineralogy and Petrology, 1999, 135, 53-61. | 1.2 | 14 |
| 28 | The heat capacity of two natural chlorite group minerals derived from differential scanning calorimetry. Physics and Chemistry of Minerals, 2001, 28, 332-336. | 0.3 | 14 |
| 29 | Thermodynamic properties of tooeleite, Fe63+(As3+O3)4(SO4)(OH)4·4H2O. Chemie Der Erde, 2016, 76, 419-428. | 0.8 | 14 |
| 30 | Excess heat capacity and entropy of mixing in the high-structural state (K,Ca)-feldspar binary. Physics and Chemistry of Minerals, 2010, 37, 209-218. | 0.3 | 13 |
| 31 | Activity-composition relationship in Tschermak's substituted Fe biotites at 700°C, 2 kbar. Contributions To Mineralogy and Petrology, 1996, 125, 85-99. | 1.2 | 12 |
| 32 | On the nature of the excess heat capacity of mixing. Physics and Chemistry of Minerals, 2011, 38, 185-191. | 0.3 | 12 |
| 33 | Heat capacity and entropy of rutile and TiO2II: Thermodynamic calculation of rutile–TiO2II transition boundary. Physics of the Earth and Planetary Interiors, 2014, 226, 39-47. | 0.7 | 12 |
| 34 | Raman spectroscopic insights into the glass transition of poly(methyl methacrylate). Physical Chemistry Chemical Physics, 2021, 23, 1649-1665. | 1.3 | 12 |
| 35 | Thermochemistry of the alkali feldspars: Calorimetric study of the entropy relations in the low albite-low microcline series. American Mineralogist, 2014, 99, 76-83. | 0.9 | 11 |
| 36 | Thermodynamic mixing properties and behavior of almandine–spessartine solid solutions. Geochimica Et Cosmochimica Acta, 2014, 125, 210-224. | 1.6 | 10 |

ARTUR BENISEK

| # | Article | IF | CITATIONS |
|----|---|------------------|---------------|
| 37 | The stability of annite+quartz: reversed experimental data for the reaction 2 annite+3 quartz=2 sanidine+3 fayalite +2 H 2 O. Contributions To Mineralogy and Petrology, 1995, 121, 380-387. | 1.2 | 9 |
| 38 | Heat capacity and entropy of low structural state plagioclases. Physics and Chemistry of Minerals, 2013, 40, 167-173. | 0.3 | 9 |
| 39 | First-principles investigation of the lattice vibrations in the alkali feldspar solid solution. Physics and Chemistry of Minerals, 2015, 42, 243-249. | 0.3 | 9 |
| 40 | Thermodynamics, stability, crystal structure, and phase relations among euchroite, Cu2 (AsO4)(OH)·3H2O, and related minerals. European Journal of Mineralogy, 2017, 29, 5-16. | 0.4 | 9 |
| 41 | Electrochemical device for the precise adjustment of oxygen partial pressures in a gas stream. Solid State Ionics, 2004, 170, 99-104. | 1.3 | 8 |
| 42 | Heat capacity and third-law entropy of kaersutite, pargasite, fluoropargasite, tremolite and fluorotremolite. European Journal of Mineralogy, 2010, 22, 319-331. | 0.4 | 8 |
| 43 | Thermodynamic properties of FeAsO 4 ·0.75H 2 O - a more favorable disposable product of low As solubility. Hydrometallurgy, 2016, 164, 136-140. | 1.8 | 8 |
| 44 | Thermodynamic properties of mansfieldite (AlAsO ₄ ·2H ₂ O), angelellite (Fe ₄ (AsO ₄) ₂ O ₃) and kamarizaite (Fe ₃ (AsO ₄) ₂ (OH) ₃ ·3H ₂ O). Mineralogical Magazine, 2018, 82, 1333-1354. | 0.6 | 8 |
| 45 | Heat capacity, entropy, and phase equilibria of dmitryivanovite. Physics and Chemistry of Minerals, 2012, 39, 259-267. | 0.3 | 7 |
| 46 | Calorimetric study of the entropy relation in the NaCl–KCl system. Journal of Chemical Thermodynamics, 2013, 62, 231-235. | 1.0 | 7 |
| 47 | Thermodynamic mixing properties and behavior of grossular–spessartine, (Ca Mn1â^)3Al2Si3O12, solid solutions. Geochimica Et Cosmochimica Acta, 2014, 141, 294-302. | 1.6 | 7 |
| 48 | Furfuryl Alcohol and Lactic Acid Blends: Homo- or Co-Polymerization?. Polymers, 2019, 11, 1533. | 2.0 | 7 |
| 49 | [Cu(AsO ₃ OH)(H ₂ O) â geminite [Cu(AsO ₃ OH)(H ₂ O)] and liroconite | à‹â€‰(0.4 |).5H< 7 |
| 50 | [Cu&iltsub&igt:2&ilt:/sub&igt:Al(AsO&iltsub&igt:4&ilt:/sub&igt:)(OH&ilt Control of Oxygen Partial Pressure by means of H[sub 2]–H[sub 2]O–O[sub 2] or CO–CO[sub 2]–O[sub 2] Gas Mixtures. Journal of the Electrochemical Society, 2005, 152, H157. | t;sub&am '1.3 | ıp;gt;4& 6 |
| 51 | The Structure and Thermochemistry of Three Fe-Mg Chlorites. Clays and Clay Minerals, 2015, 63, 351-367. | 0.6 | 6 |
| 52 | P21/c-C2/c phase transition and mixing properties of the (Li,Na)FeGe2O6 solid solution: A calorimetric and thermodynamic study. Journal of Chemical Thermodynamics, 2018, 120, 123-140. | 1.0 | 6 |
| 53 | The vibrational and configurational entropy of α-brass. Journal of Chemical Thermodynamics, 2014, 71, 126-132. | 1.0 | 5 |
| 54 | Standard-state thermodynamic properties of annite, KFe3[(OH)2AlSi3O10], based on new calorimetric measurements. European Journal of Mineralogy, 2015, 27, 603-616. | 0.4 | 5 |

ARTUR BENISEK

| # | Article | IF | CITATIONS |
|----|---|------------------|-----------|
| 55 | Thermodynamics and crystal chemistry of rhomboclase, (H ₅ O ₂)Fe(SO ₄) ₂ ·2H ₂ O, and the phase (H ₃ O)Fe(SO ₄) ₂ and implications for acid mine drainage. American Mineralogist, 2017, 102, 643-654. | 0.9 | 5 |
| 56 | Thermodynamics of disordering in Au3Cu. Journal of Alloys and Compounds, 2018, 735, 1344-1349. | 2.8 | 5 |
| 57 | Vibrational entropy of disorder in Cu ₃ Au with different degrees of short-range order. Physical Chemistry Chemical Physics, 2018, 20, 19441-19446. | 1.3 | 5 |
| 58 | A new activity model for Mg–Al biotites determined through an integrated approach. Contributions To Mineralogy and Petrology, 2019, 174, 76. | 1.2 | 5 |
| 59 | Thermodynamic properties of calcium alkali phosphates Ca(Na,K)PO4. Journal of Materials Science, 2020, 55, 8477-8490. | 1.7 | 5 |
| 60 | Prediction and observation of formation of Ca–Mg arsenates in acidic and alkaline fluids: Thermodynamic properties and mineral assemblages at Jáchymov, Czech Republic and Rotgülden, Austria. Chemical Geology, 2021, 559, 119922. | 1.4 | 5 |
| 61 | Annite stability revised: hydrogen-sensor data for the reaction annite = sanidine + magnetite + H 2 : additional results and reply to Chou. Contributions To Mineralogy and Petrology, 1997, 128, 306-311. | 1.2 | 4 |
| 62 | Heat capacity measurements of CaAlSiO4F from 5 to 850 K and its standard entropy. American Mineralogist, 2018, 103, 1165-1168. | 0.9 | 3 |
| 63 | Excess enthalpy of mixing of mineral solid solutions derived from density-functional calculations. Physics and Chemistry of Minerals, 2020, 47, 15. | 0.3 | 3 |
| 64 | Chapmanite [Fe ₂ Sb(Si ₂ O ₅)O ₃ thermodynamic properties and formation in low-temperature environments. European Journal of Mineralogy, 2021, 33, 357-371. | (OH)]: (OH)]: | 3 |
| 65 | The assimilation of felsic xenoliths in kimberlites: insights into temperature and volatiles during kimberlite emplacement. Contributions To Mineralogy and Petrology, 2021, 176, 1. | 1.2 | 3 |
| 66 | Thermodynamic data of belite polymorphs. Cement and Concrete Research, 2022, 152, 106621. | 4.6 | 3 |
| 67 | Crystal chemistry, Mössbauer spectroscopy, and thermodynamic properties of botryogen. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2016, 193, 147-159. | 0.1 | 2 |
| 68 | A new activity model for Fe–Mg–Al biotites: II—Applications in the K2O–FeO–MgO–Al2O3–SiO2â (KFMASH) system. Contributions To Mineralogy and Petrology, 2021, 176, 1. | €"H2O 1.2 | 2 |
| 69 | Excess heat capacity and entropy of mixing along the hydroxyapatite-chlorapatite and hydroxyapatite-fluorapatite binaries. Physics and Chemistry of Minerals, 2021, 48, 44. | 0.3 | 2 |
| 70 | Study on the structural phase transitions in NaSICON-type compounds using Ag ₃ Sc ₂ (PO ₄) ₃ as a model system. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 10-22. | 0.5 | 2 |
| 71 | Stability and calorimetric studies of silicoâ€ferrites of calcium aluminum and magnesium. Journal of the American Ceramic Society, 2018, 101, 4193-4202. | 1.9 | 1 |
| 72 | A new activity model for Fe–Mg–Al biotites: l—Derivation and calibration of mixing parameters. Contributions To Mineralogy and Petrology, 2021, 176, 1. | 1.2 | 0 |